

535,437

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 June 2004 (03.06.2004)

PCT

(10) International Publication Number
WO 2004/046377 A2

(51) International Patent Classification⁷: **C12Q 1/68**

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(21) International Application Number:
PCT/EP2003/012635

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,

(22) International Filing Date:
12 November 2003 (12.11.2003)

AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,
CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU,
SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(84) Designated States (*regional*): ARIPO patent (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

Published:

— without international search report and to be republished upon receipt of that report

(30) Priority Data:
RM2002A000576

15 November 2002 (15.11.2002) IT

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/046377 A2

(54) Title: DIAGNOSTIC AND THERAPEUTIC MEANS FOR PATHOLOGIES ASSOCIATED WITH ALPHA 2 SUBUNIT OF THE NA, K PUMP

(57) Abstract: A nucleic acid is described that comprises at least one segment of the gene encoding a functional segment of the alpha 2 subunit of the Na,K pump (ATPase, ATP1A2) for use in the diagnosis or treatment of pathologies associated with migraine or with alternating hemiplegia of the childhood. Appropriate diagnostic kits and methods to identify agonist or antagonist agents are also described.